

DERWENT-ACC-NO: 1990-380307

DERWENT-WEEK: 199051

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TITLE: Prepn. of organophilic colloidal silica
methanol sol -
particles by reacting silanol gps. on surface of silica
with hexa:alkyl:di:silazane

PATENT-ASSIGNEE: MITSUBISHI MONSANTO KK[MITT]

PRIORITY-DATA: 1989JP-0002575 (January 9, 1989) , 1989JP-0234980
(September 11,
1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 02275712 A	November 9, 1990	N/A
000 N/A		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP 02275712A	N/A	1989JP-0234980
September 11, 1989		

INT-CL (IPC): C01B033/15

ABSTRACTED-PUB-NO: JP 02275712A

BASIC-ABSTRACT:

Prepn. is characterised by using colloidal silica methanol sol as a raw material and reacting the silanol gps. on the surface of the silica particles with 10-100 mol.% hexaalkyl disilazane w.r.t. the amt. (mol.) of the silanol gps. on the silica particles and 1-10 wt.% trialkylhalosilane w.r.t. the wt. of the hexaalkyl disilazane.

USE/ADVANTAGE - The organophilic colloidal silica methanol sol obtd. is useful

in adhesives, coating materials and resin finishes. It is not dispersed in water but in organic solvents. When dispersed in organic solvents, silica particles do not aggregate to each other and remain stable.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PREPARATION ORGANOPHILIC COLLOID SILICA METHANOL SOL
REACT SILANOL

GROUP SURFACE SILICA PARTICLE HEXA ALKYL DI SILAZANE

DERWENT-CLASS: A82 E36 G01 G02 G03

CPI-CODES: A08-R06A; A12-A05; A12-B01; E10-E04L1; E31-P01; G02-A03;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

B114 B702 B720 B831 C108 C800 C802 C803 C804 C805

C807 M411 M730 M782 M903 M904 M910 Q130 Q331 R023

Specific Compounds

01694M 01694Q

Registry Numbers

1327U 0502U

Chemical Indexing M3 *02*

Fragmentation Code

H4 H401 H481 H8 M210 M211 M272 M281 M320 M416

M620 M730 M782 M903 M904 M910 Q130 Q331 R023

Specific Compounds

00270M 00270Q

Registry Numbers

1327U 0502U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0270U; 1694S ; 1694U ; 1694U ;
1694U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0205 0229 2199 2207 2218 2682 2718

Multipunch Codes: 014 03- 229 250 308 310 360 477 609 721 724

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1990-165721